

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	2	I1 and catalyst	FPFS; EPO; JPO; DERWENT	OR	ON	2009/01/30 14:30
L9	19	I1 and catalyst	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 14:29
L8	15	I1 and titanium and (food foodstuffs comestible edible) and (packag\$4 container\$1 pouch\$2 receptacle\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 13:52
L7	33	I1 and titanium	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 13:48
L6	4	("5227342"   "5192452" "5035784"   "4892712").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 13:39
L5	1	"6180548".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 13:33
L4	1	L3 and crystal\$1	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 13:21
L3	1	10/500448.app.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 13:21
L2	30	I1 and crystal	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 13:19
L1	107	(US-20050158569-\$ or US-20040094173-\$ or US-20030203229-\$ or US-20050064075-\$ or US-20030224032-\$ or US-20010056133-\$ or US-20030219624-\$ or US-20050230241-\$ or US-20070232487-\$ or US-20060093670-\$ or US-20050191226-\$ or US-20040029699-\$ or US-20080015100-\$). did. or (US-4367312-\$ or US-4442125-\$ or US- 7097912-\$ or US- 5948458-\$ or US- 5755969-\$ or US- 5801097-\$ or US- 5976593-\$ or US- 5472734-\$ or US- 5962092-\$ or US- 6436885-\$ or US- 6576246-\$ or US- 6004667-\$ or US- 6602293-\$ or US- 6013275-\$ or US-	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/30 13:19

4882196-\$ or US-  
6013723-\$ or US-  
5641530-\$ or US-  
4615924-\$ or US-  
7163709-\$ or US-  
6281265-\$ or US-  
6312828-\$ or US-  
5968539-\$ or US-  
6123973-\$ or US-  
5858447-\$ or US-  
6899931-\$ or US-  
6689395-\$.did. or (US-  
6667082-\$ or US-  
5780085-\$ or US-  
5658530-\$ or US-  
5573797-\$ or US-  
5549919-\$ or US-  
6964787-\$ or US-  
4897273-\$ or US-  
4865855-\$ or US-  
5614568-\$ or US-  
5142010-\$ or US-  
5108740-\$ or US-  
6277337-\$ or US-  
4464336-\$ or US-  
3955921-\$ or US-  
4409251-\$ or US-  
6783740-\$ or US-  
6730923-\$ or US-  
6258577-\$ or US-  
4861484-\$ or US-  
7285242-\$ or US-  
6585946-\$ or US-  
7157503-\$ or US-  
6013591-\$ or US-  
5817326-\$ or US-  
5766669-\$ or US-  
4448758-\$ or US-  
5204319-\$.did. or (US-  
5976508-\$ or US-  
5108956-\$ or US-  
5898117-\$ or US-  
5690908-\$ or US-  
5468489-\$ or US-  
5035711-\$.did. or (US-  
3694371-\$.did. or (EP-  
625490-\$.did. or (JP-  
11075775-\$ or JP-  
02273165-\$ or JP-  
2001204636-\$ or JP-  
11092637-\$ or JP-  
11343210-\$ or JP-  
03218765-\$ or JP-  
05057010-\$ or JP-  
03037071-\$ or JP-  
62266144-\$.did. or (JP-  
10237374-\$ or EP-  
478088-\$ or JP-  
03167263-\$ or DE-  
4036298-\$ or JP-  
06157224-\$ or JP-

		2001232739-\$ or US-5066701-\$ or EP-625490-\$ or DE-3301122-\$ or JP-52142707-\$ or DE-2725665-\$ or JP-63023744-\$ or JP-01249644-\$ or DE-4020893-\$ or EP-411208-\$ or JP-03275627-\$ or JP-04170960-\$ or JP-04217902-\$ or SU-1759931-\$ or EP-507106-\$ or JP-63111880-\$ or JP-06122617-\$ or US-6004667-\$).did.				
S224	1	10/500448.app.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 11:10
S223	2	"2000095577"	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 11:07
S222	258	S220 not S221	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:54
S221	434	S187 same S219	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:54
S220	692	S214 same S219	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:53
S219	9018	((titanium metal) same (hydroxy\$1apatite hydroxyapatite apatite "HAP"))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:53
S217	279	S216 not S189	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:52
S216	789	S215 and (sinter\$4 firing fired heat\$4 temperature\$1 bak\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:52
S215	789	S214 same S188	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:51
S214	1534018	(bak\$4 temperature\$1 sinter\$4 firing fired heat \$4) same (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength adsorb\$4 absorp\$4 affinit\$4 stabiliz\$4 stabilit\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/30 09:51
S212	28	S209 not S206	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:44

S209	609	S208 and S193	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:43
S208	1023367	(bak\$4 sinter\$4 firing fired heat\$4 temperature\$1) and (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength\$4 adsorb\$4 absorp\$4 adsorp\$4 stabilit\$2 stabiliz\$4)	FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/30 09:43
S207	41	S206 not S194	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:28
S206	581	S205 and S193	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:28
S205	1004086	(sinter\$4 firing fired heat \$4 temperature\$1) and (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength\$4 adsorb\$4 absorp\$4 adsorp\$4 stabilit\$2 stabiliz\$4)	FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/30 09:28
S200	136	S194 not S197	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:13
S199	22	S195 not S198	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:09
S198	55	S197 and (anti \$1bacterial anti \$1microbial microbial bacterial anti\$1bacterial anti\$1microbia antibacteria antimicrobia antibacterial antimicrobial microbia bacteria)	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:09
S197	404	S196 and S193	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:09

S196	650184	(sinter\$4 firing fired heat \$4) and (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength\$4 adsorb\$4 absorp\$4 adsorp\$4)	FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/30 09:09
S195	77	S194 and (anti \$1bacterial anti \$1microbial microbial bacterial anti\$1bacterial anti\$1microbia antibacteria antimicrobia antibacterial antimicrobial microbia bacteria)	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:09
S194	540	S192 and S193	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:09
S193	3083	((titanium metal) and (hydroxy\$1apatite hydroxyapatite apatite "HAP"))	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/30 09:09
S192	864473	(sinter\$4 firing fired heat \$4 temperature\$1) and (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength\$4 adsorb\$4 absorp\$4 adsorp\$4)	FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/30 09:08
S191	0	S190 not S189	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:08
S190	510	S189 and (sinter\$4 firing fired heat\$4 temperature)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:06
S189	510	S187 same S188	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:06
S188	13853	((((modify\$3 modified) same (metal) same (hydroxy\$1apatite hydroxyapatite apatite)) ("HAP"))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/30 09:06

S187	885885	(sinter\$4 firing fired heat \$4) same (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength adsorb\$4 absorp\$4 adsorp\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/30 09:06
S186	55	S185 and (anti \$1bacterial anti \$1microbial microbial bacterial anti\$1bacterial anti\$1microbia antibacteria antimicrobia antibacterial antimicrobial microbia bacteria)	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/29 18:55
S185	404	S183 and S184	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/29 18:38
S184	3083	((titanium metal) and (hydroxy\$1apatite hydroxyapatite apatite "HAP"))	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/29 18:38
S183	650184	(sinter\$4 firing fired heat \$4) and (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength\$4 adsorb\$4 absorp\$4 adsorp\$4)	FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/29 18:38
S181	0	((11/168459).APP.	USPAT; USOCR	OR	ON	2009/01/29 18:08
S180	151	S168 same S179	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:53
S179	4959	((titanium metal) with (hydroxy\$1apatite hydroxyapatite apatite "HAP"))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:53
S178	434	S168 same S177	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:53
S177	9018	((titanium metal) same (hydroxy\$1apatite hydroxyapatite apatite "HAP"))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:53
S176	33	S168 same S175	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:49

S175	514	((modify\$3 modified) same (metal) same (hydroxy\$1apatite hydroxyapatite apatite "HAP"))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:49
S174	510	S173 and (sinter\$4 firing fired heat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:33
S173	510	S168 same S172	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:27
S172	13853	((((modify\$3 modified) same (metal) same (hydroxy\$1apatite hydroxyapatite apatite)) ("HAP"))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:27
S171	382	S170 and (metal titanium)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:27
S170	579	S168 same S169	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:26
S169	15929	((((modify\$3 modified) same (metal) same (hydroxy\$1apatite hydroxyapatite apatite)) ("HAP"))((modify\$3 modified) same (hydroxy\$1apatite hydroxyapatite apatite)))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:26
S168	885885	(sinter\$4 firing fired heat\$4) same (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo\$1catalyst photo\$1catalysis photo\$1catalytic strength adsorb\$4 adsorp\$4 adsorp\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 17:24
S167	15	S166 same ((modify\$3 modified) same (metal) same (hydroxy\$1apatite hydroxyapatite apatite))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:21
S166	794796	(sinter\$4 firing fired heat\$4) same (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo\$1catalyst photo\$1catalysis photo\$1catalytic strength)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 17:20
S165	4	S159 same ((modify\$3 modified) same (metal) same (hydroxy\$1apatite hydroxyapatite apatite))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:18

S164	6	S159 same ((modify\$3 modified) with (hydroxy \$1apatite hydroxyapatite apatite))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:05
S163	288	S159 same ((hydroxy \$1apatite hydroxyapatite) (modified near5 apatite))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 17:04
S162	0	((11/012103).APP.	USPAT; USOCR	OR	ON	2009/01/29 17:02
S161	1	"3301122"	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/29 16:36
S160	441	S159 same (hydroxy \$1apatite hydroxyapatite apatite)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 16:30
S159	383852	(sinter\$4 firing fired heat \$4) with (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic strength)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 16:28
S158	28	S157 not S156	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 15:46
S157	55	S155 same (hydroxy \$1apatite hydroxyapatite apatite)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 15:46
S156	27	S155 same (hydroxy \$1apatite)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 15:34
S155	92501	(sinter\$4 firing fired heat \$4) same (improv\$4) same (photocatalyst density photocatalysis activity optical catalyst photocatalytic photo \$1catalyst photo \$1catalysis photo \$1catalytic)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:34
S153	1	"7326289".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:26
S152	1	"20070051668"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:24
S151	1	"20070232487"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:21
S150	1	"20060111460"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:20
S149	5	S148 and (sinter\$4 fir \$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:19



S148	5	("20030039843"   "5342571"   "6248291"   "6761984"   "6835688").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:16
S147	1	"20050230241"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:13
S146	1	"7300710".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:12
S145	1	"7157503".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:11
S144	1	"7303823".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:11
S143	9	"625490"	FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/29 15:05
S142	0	"0625490"	FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/29 15:05
S141	2	S140 and sinter\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:03
S140	5	("20030219624"   "20050170220"   "5981425"   "6485838"   "7030058").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:02
S139	1	"20030219624"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 15:01
S138	1	"20050196620"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 14:58
S137	1	"20050123773"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 14:57
S136	3	S135 and sinter\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 13:38
S135	6	("20020127260"   "5304577"   "5609633"   "5877387"   "6001394"   "6585946").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 13:38
S134	1	"6777357".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 13:36
S129	164	S128 and S125	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 11:43
S128	276	S124 same S127	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 11:43
S127	174951	(sinter\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 11:43
S126	6997	(S122 same S123)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 11:43
S125	2919833	(container\$1 packag\$3 wrap\$4 receptacle\$4 pouch\$2 film\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 11:42
S124	4617	(S122 with S123)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/29 11:42

S123	5799740	titanium zirconium iron tungsten metal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/29 11:41
S122	44120	apatite hydroxyapatite hydroxy\$1apatite	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/01/29 11:41
S121	397	(sinter\$4) same (hydroxyapatite HAP)	FPRS; EPO; JPO; DERWENT	OR	ON	2009/01/29 11:40
S120	1572	(sinter\$4) same (hydroxyapatite HAP)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/29 11:40
S119	4249	(hydroxyapatite hydroxylapatite hydroxy \$1apatite hydroxyl \$1apatite) same (sinter \$4 coat\$4 harden\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/29 09:50
S118	2	"US 20050064075"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/01/29 09:43
S117	1449	(hydroxyapatite hydroxylapatite hydroxy \$1apatite hydroxyl \$1apatite) same sinter \$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/29 09:40
S116	21	S111 with S113 same S112	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:49
S115	597	S111 with S113 and S112	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:49
S114	806	S111 same S113 and S112	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:49
S113	477632	sinter\$4 harden\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:48
S112	1758428	(pouch\$3 packag\$4 container\$1 bag\$2 receptacle\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:41
S111	36102	(hydroxyapatite hydroxylapatite hydroxy \$1apatite hydroxyl \$1apatite "HAP" CaHAP)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:40
S110	426821	titanium	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:40

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 \20090129 - 10500448 - Method for preserving food using metal modified apatite wsp